

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**

TITLE 14 CFR PART 97.33

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT</u> REID-HILLVIEW OF SANTA CLARA COUNTY	<u>AIRPORT ID</u> KRHV	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 31R	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> SAN JOSE	<u>STATE</u> CA
<u>AIRPORT ELEVATION</u> 135	<u>TDZE</u> 133	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 31R	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 07/29/2010	<u>MAG VAR</u> 16E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 SEPTEMBER 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1975

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
CATHE		ZUXOX		TF	FB	1.00	266.65	8.54	5000
ZUXOX	IAF	ECYON		TF	FB	1.00	266.54	8.00	4300
GILRO	IAF	ECYON		TF	FB	1.00	312.63	7.72	4300
ECYON	IF	UBIPE		TF	FB	1.00	302.56	6.96	2800
UBIPE	FAF	SIKEW/3.72 NM TO RW31R		TF	FB	0.30	311.93	2.45	
SIKEW/3.72 NM TO RW31R		RW31R	MAP	TF	FO	0.30	311.93	3.72	
RW31R	MAP	535 MSL		CA			311.93		
535 MSL		DECOT		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LNAV: RW31R

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT DECOT AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. PROFILE STARTS AT ECYON
3. **FAC:** 311.93 **FAF:** UBIPE **DIST FAF TO MAP:** 6.17 **DIST FAF TO THLD:** 6.17
4. **MIN ALT:** ECYON 4300, UBIPE 2800, SIKEW/3.72 NM TO RW31R 1760
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:**
6. **MIN GP INCPT:** **GP ALT AT FAF :** **OM:** **MM:** **IM:**
7. **GP ANGLE:** **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:**
8. **MSA FROM:** RW31R 5600

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

- CHART NOTE: CIRCLING RWY 31L NA AT NIGHT.
- CHART NOTE: RWY 31R HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
- CHART NOTE: VDP NA WHEN USING NORMAN Y MINETA SAN JOSE INTL ALTIMETER SETTING.
- CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GILRO ON T333 SOUTHEAST BOUND AND FOR ARRIVALS AT CATHE ON V107 SOUTHEAST BOUND.
- CHART NOTE: CIRCLING E OF RWY 13L-31R NA AT NIGHT.
- CHART NOTE: WHEN CONTROL TOWER CLOSED, USE NORMAN Y MINETA SAN JOSE INTL ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET.

ADDITIONAL FLIGHT DATA:

- CHART CIRCLING ICON.
- UBIPE TO RW31R: 4.00/45.
- CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 5.01 DEGREES.
- CHART VDP AT 2.63 NM TO RW31R
- FAS OBST: 1040 AAO 371643N/1214706W.
- 1549 AAO 371533N/1214245W.
- HOLD N, RT, 158.00 INBOUND

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA

CATEGORY:	A			B			C			D			E		
	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LNAV MDA	1300	1 1/4	1167	1300	1 1/2	1167		NA			NA				
CIRCLING	1300	1 1/4	1165	1300	1 1/2	1165		NA			NA				



CHANGES - REASONS

1. VDA CHANGED FROM 3.56 TO 4.00 - MATCHED VGSI ANGLE, APPROVAL NEEDED FOR ANGLE BELOW VGSI.
2. TCH CHANGED FROM 59 FT TO 45 FT - MATCHED VGSI TCH.
3. DISTANCE FAF TO MAP/THLD CHANGED FROM 6.90 NM TO 6.17 NM - UBIPE LOCATION CHANGED FROM 371358.91N/1214425.60W TO 371436.21N/1214454.83W, 0.73 NM NW.
4. FAC CHANGED FROM 311.94 TO 311.93 - UBIPE MOVED 0.73 NM NW.
5. REMOVED CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT - CHANGED ANGLE AND TCH TO MATCH.
6. REMOVED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED RNP APCH TO PBN REQUIREMENT NOTES - CURRENT NOTATION PER 8260.19H 8-6-8.B.
7. CHANGED CHART PLANVIEW NOTE FROM: PROCEDURE NA FOR ARRIVALS AT GILRO ON V485 SOUTHEAST BOUND AND FOR ARRIVALS AT CATHE ON V107 SOUTHEAST BOUND TO: PROCEDURE NA FOR ARRIVALS AT GILRO ON T333 SOUTHEAST BOUND AND FOR ARRIVALS AT CATHE ON V107 SOUTHEAST BOUND - DISALLOW TURNS GREATER THAN 90 DEGREES.
8. ADDED CHART CIRCLING ICON - NEW CIRCLING CRITERIA APPLIED.
9. COURSE/DISTANCE FROM ECYON TO UBIPE CHANGED FROM 301.46/6.24 TO 302.56/6.96 - UBIPE MOVED 0.73 NM NW.
10. CHANGED FAS OBSTACLE FROM 1079 AAO 371643N/1214706W TO 1040 AAO 371643N/1214706W - NEW CONTROLLING OBSTACLE IN FINAL.
11. REMOVED 1645 AAO 371456N/1214308W AND ADDED 1549 AAO 371533N/1214245W TO ADDITIONAL FLIGHT DATA - NEW 7:1 OBSTACLE.
12. ADDED "CHART NOTE: CIRCLING RWY 31L NA AT NIGHT" - 20:1 PENETRATIONS EXIST.
13. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 4000 DIRECT TEBIJ AND ON TRACK 310.06 TO DECOT AND HOLD" TO "CLIMB TO 4000 DIRECT DECOT AND HOLD" - TEBIJ TOO CLOSE TO MAP UNDER CURRENT CRITERIA.
14. CHANGED MINIMUM ALTITUDE FROM CATHE TO ZUXOX FROM 4900 TO 5000 - NEW CONTROLLING OBSTACLE.
15. CHANGED CHART NOTE FROM "VISIBILITY REDUCTION BY HELICOPTERS NA" TO "RWY 31R HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - PER 8260.19H 8-6-11.K.
16. CHANGED TDZE FROM 131 TO 133 - NEW AIRNAV DATA.
17. ADDED "CHART VDP AT 2.63 NM TO RW31R" TO ADDITIONAL FLIGHT DATA - PUBLISHABLE PER 8260.19H 2-6-5.A.
18. CHANGED LNAV MDA/HAT ALL CATS FROM 1340/1209 TO 1300/1167 - NEW CONTROLLING OBSTACLE, TDZE ELEVATION.
19. CHANGED CIRCLING MDA/HAA ALL CATS FROM 1340/1205 TO 1300/1165 - NEW STRAIGHT-IN CONTROLLING OBSTACLE, STRAIGHT-IN DRIVEN.
20. REMOVED NORMAN Y MINETA SAN JOSE INTL ALTIMETER SETTING MINIMUMS - ADJUSTMENTS ADDED TO THE BACKUP ALTIMETER SETTING NOTE.
21. ADDED "CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 5.01 DEGREES" - 8260.19H 8-6-10.G.
22. ADDED "CHART NOTE: VDP NA WHEN USING NORMAN Y MINETA SAN JOSE INTL ALTIMETER SETTING" - VDP ESTABLISHED, 8260.19H 8-6-9.E.
23. CHANGED SIKEW/4.20 NM TO RW31R TO SIKEW/3.72 NM TO RW31R ON LINE 4 - SIKEW MOVED TO MAINTAIN VDA, COORDINATES FROM 371616.49N/1214613.45W TO 371640.80N/1214632.52W, 0.48 NM NW.
24. CHANGED CHART NOTE FROM "WHEN CONTROL TOWER CLOSED, USE NORMAN Y MINETA SAN JOSE INTL ALTIMETER SETTING" TO "WHEN CONTROL TOWER CLOSED, USE NORMAN Y MINETA SAN JOSE INTL ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET" - REMOVED NORMAN Y MINETA SAN JOSE INTL ALTIMETER SETTING MINIMUMS.
25. ADDED "UBIBE TO RW31R: 4.00/45" TO ADDITIONAL FLIGHT DATA - 8260.19H 8-6-10.P.

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: NCT, AMGR

FLIGHT CHECKED BY

Digitally signed by

THOMAS E MOLOKIE

MARLON J ROBINSON

Jun 11, 2020

OFFICE

FICO

DATE

06/05/2020

DEVELOPED BY

Digitally signed by

JOHN BORDY (ANTHONY CAPPABIANCO)

MARLON J ROBINSON

Jun 11, 2020

OFFICE

AJV-A422

DATE

01/30/2020

APPROVED BY

Digitally signed by

MARLON ROBINSON

MARLON J ROBINSON

Jun 11, 2020

OFFICE

AJV-A420

DATE

TITLE
MANAGER

